Abstract

The device incorporates a structurally stable membrane (4, 4', 34, 35) that incorporates a surface (15) to be bonded to a tissue to be regenerated, specifically a vital bone (2, 22, 38, 39). Means (9, 5, 6, 25, 36) are additionally provided whereby the membrane (4, 4', 24, 35) is movable for the regeneration with a certain pulling force and speed. According to the invention the membrane (4, 4', 24, 35) has, on its surface facing the tissue or bone, means (16) for the biological anchoring and adhesion for tissue or bone cells. These means (16) for the biological anchoring of tissue cells are specifically bone cells, protein molecules and/or osteoblasts (17), as well as indentations (45, 46, 48) and surface peaks (50) of the membrane.

(Fig. 1)